

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

HOLLIDAY SAND & GRAVEL COMPANY

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of
sand & gravel in the state of Missouri. The extent of the

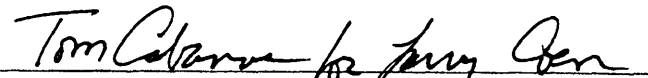
Proposed mining operation(s) will be on 81 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Jackson	01	50N	32W	81	0	81	Liberty Bend (Plant #12)	0878

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 13th day of August 2004


DIRECTOR OF STAFF

Land Reclamation Commission

Permit No. 0161

Effective Date 08/13/2004

Expiration Date 07/27/2005

MO 780-1122 (6-95)

2003-2004

RECEIVED



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

AUG 2 2004

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <i>Holliday Sand & Gravel Company</i>		MISSOURI LAND RECLAMATION COMMISSION <i>7/26/04</i>	
ADDRESS <i>9660 Legler Rd.</i>	CITY <i>Lchexa</i>	STATE <i>Ks</i>	ZIP CODE <i>66219</i>
CONTACT PERSON <i>Michael Odell</i>		TELEPHONE NUMBER <i>913-438-0240</i>	

FEES: COMPLETE SECTION I OR SECTION II
SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. <i>Liberty Bend #12</i>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$

TOTAL SITE FEE \longrightarrow \$

2. Acreage Fee \$5 X _____ number of acres bonded\$

3. Annual Permit Fee\$ 500

4. Total Fee (Add totals from 1, 2 and 3)\$

NOTE: If Total Fee exceeds \$2,500.00 then pay only\$ 2,500

price
\$1380.00
in back
fees also!

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee\$ 300

SIGNATURE OF APPLICANT <i>Michael R. Odell</i>	TITLE <i>Vice President</i>	DATE <i>7/29/04</i>
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Appeared before me this *29* day of *July*, 20 *04*, ~~that is~~ *Michael Odell*
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEER SEAL	STATE OF <i>Kansas</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Johnson</i>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>29</i> DAY OF <i>July</i> YEAR <i>2004</i>	
	NOTARY PUBLIC SIGNATURE <i>Vicki L Brown</i>	MY COMMISSION EXPIRES <i>10-1-2004</i>
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>VICKI L BROWN</i>	

FOR DEPARTMENT USE ONLY: APPROVED BY <i>[Signature]</i>	DATE APPROVED <i>8/9/04</i>	PERMIT NUMBER <i>C161</i>	EXPIRATION DATE <i>7/27/2005</i>
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Liberty Bend (Plant #12)		PERMIT NUMBER 161
COMPANY NAME Holliday Sand & Gravel Company		
COUNTY Jackson	1/4 SECTION NW 1/4	SECTION 01
TOWNSHIP 50 N	RANGE 32 W	ACRES 88
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A		
MINERAL COMMODITY Sand and gravel		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) 275,000

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Clarkson Construction Company		
ADDRESS 4133 Gardner		
CITY Kansas City	STATE Missouri	ZIP CODE 64120
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT May 25, 1990

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) (Same as above)		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT
NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.		



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR
☒ LONG TERM, FOR PERIOD THROUGH DATE:

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Liberty Bend (Plant #12)

The site encompasses around 270 acres, approximately 40 acres have been mined and another 130 acres will eventually be mined. The site is adjacent to the old Missouri River channel and is flat cropland. The top 2-4 feet is clayey silt, suitable for topsoil. The site is bordered by M210 Highway on the north, Old US 71 on the west and by levees on the east and south.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

24

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Topsoil is removed using a scraper and either hauled to a prepared reclamation area or stockpiled near future areas (such as under the power lines as allowed by KCP&L).

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Static storage berms of topsoil will be sloped and seeded with fescue and alfalfa.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Overburden (excessive silts and fine sand) is returned to the pit. Should it build up sufficiently above water surface it will be sloped to 3:1, topsoiled and seeded.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See attached site map.

YES NO

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.) |

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

#1

PURPOSE OR LAND USE

Pasture

B. SEEDING OR PLANTING TIME

Spring (March 15 - May 15)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

and Fall (Sept. 1 - Nov. 1)

The following spring or fall after topsoil placement:

1. Test soil
2. Mix fertilizer and seed and drill in 1/2" deep
3. Mulch with straw, 50 bales per acre

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	10		
K-31 Fescue	10		
Alfalfa	12		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Site will eventually have two ponds, 70 and 59 acres, created by dredging below the water table. The ponds will be either side of KCP&L powerline easement. Dredging in the 70 acre pond is progressing from north to south at 3 1/2 acres per year. Pond banks are being sloped to 3:1 and revegetated for pasture. The 59 acre pond will not be started for 7 to 10 years.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Sloping of the pond banks will be done as the pit advances to the south. Final grading will be completed within one year after completion of dredging or back-filling.

REPLACEMENT OF TOPSOIL

Topsoil will be placed within one year after final grading to a depth of 12 inches.

REVEGETATION

Topsoiled areas will be seeded during the next growing season, weather permitting.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

6

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

20

Development (residential, industrial, and recreational)

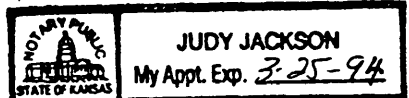
Water impoundments (for wildlife, agricultural, or development)

70

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Michael R. Odeh</i>		TITLE Production Manager	DATE July 8, 1992
NOTARY PUBLIC EMBOSSER SEAL	STATE <i>Kansas</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Johnson</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>8th</i> DAY OF <i>July</i> 19 <i>92</i>		
	NOTARY PUBLIC SIGNATURE <i>Judy Jackson</i>	USE RUBBER STAMP IN CLEAR AREA BELOW	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Judy Jackson</i>	MY COMMISSION EXPIRES <i>3-25-94</i>	
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Thoburn Schili</i>		DATE APPROVED <i>10-3-95</i>	PERMIT NUMBER <i>161</i>



Holliday Sand & Gravel Company
6811 West 63rd Street
Overland Park, Ks. 66202
DATE: 9-19-94

OPERATION PLAN

1" = 400'

